

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Daisuke Ogura	08/22/2007
RECEIVING PARTY DATA	
Name:	NEC Corporation
Street Address:	7-1, Shiba 5-chome
Internal Address:	Minato-ku
City:	Tokyo
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11877401
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ATTORNEY DOCKET NUMBER:	Y2238.0080
NAME OF SUBMITTER:	Michael J. Scheer, Esq.
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PATENT  
REEL: 020015 FRAME: 0429

# ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by DAISUKE OGURA, \_\_\_\_\_,  
 \_\_\_\_\_, and \_\_\_\_\_ (hereinafter referred to as  
 "Assignors"), residing at Tokyo, Japan,  
 \_\_\_\_\_, and  
 \_\_\_\_\_, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in  
MOBILE COMMUNICATION SYSTEM, CORE NETWORK APPARATUS, AND  
MBMS DATA TRANSMISSION METHOD USED FOR THE SAME, set forth in a patent  
 application for Letters Patent of the United States, executed concurrently herewith; and

WHEREAS, NEC Corporation (hereinafter referred to as  
 "Assignee"), having offices at 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, is  
 desirous of acquiring the entire right, title and interest in and to said inventions and said  
 Application for Letters Patent of the United States, and in and to any Letters Patent of  
 the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other  
 good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors  
 have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer  
 and set over, unto Assignee, its successors, legal representatives and assigns, the entire  
 right, title and interest in and to the above-mentioned inventions and application for  
 Letters Patent, and in and to any and all direct and indirect divisions, continuations and  
 continuations-in-part of said application, and any and all Letters Patent in the United  
 States and all foreign countries which may be granted therefor and thereon, and reissues,  
 reexaminations and extensions of said Letters Patent, and all rights under the  
 International Convention for the Protection of Industrial Property, the same to be held  
 and enjoyed by Assignee, for its own use and benefit and the use and benefit of its  
 successors, legal representatives and assigns, to the full end of the term or terms for which

Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document: Edward A. Meilman, Reg. No. 24,735, Gary M. Hoffman, Reg. No. 26,411, Steven I. Weisburd, Reg. No. 27,409, Thomas J. D'Amico, Reg. No. 28,371, Donald A. Gregory, Reg. No. 28,954, Stephen A. Soffen, Reg. No. 31,063, James W. Brady, Jr., Reg. No. 32,115, Jon D. Grossman, Reg. No. 32,699, Mark J. Thronson, Reg. No. 33,082, Michael J. Scheer, Reg. No. 34,425, and Eric Oliver, Reg. No. 35,307, of Dickstein Shapiro Morin & Oshinsky LLP.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

**Assignors:**

Daisuke Ogura   
DAISUKE OGURA

Date: 22/ 8/2007

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Date: \_\_\_\_\_

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Date: \_\_\_\_\_

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Date: \_\_\_\_\_

**Witnesses:**

Masaho Mineo  
MASAHO MINEO

Date: 22/ 8/2007

Akira Muto  
AKIRA MUTO

Date: 22/ 8/2007